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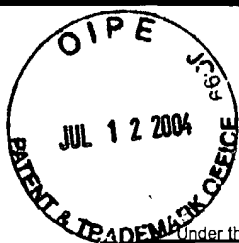
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2623

PTO/SB/21 (02-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/705,507	
	Filing Date	November 3, 2000	
	First Named Inventor	David W. Jacobs	
	Art Unit	2623	
	Examiner Name	Ryan J. Hesseltine	
Total Number of Pages in This Submission	10	Attorney Docket Number	NEC11093

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**JUL 15 2004**  
**Technology Center 2600**

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Statement Under 37 CFR 3.73(b);
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<b>Remarks</b>	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Also enclosed: Copy of Change of Name from NEC Research Institute, Inc. to NEC Laboratories America, Inc.; Copy of Assignment in the chain of title.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Benjamin Lee Reg. No. 42,787
Signature	
Date	July 8, 2004

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Jill M. Thompson
Signature	
Date	July 8, 2004

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PTO/SB/82 (09-03)

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**REVOCATION OF POWER OF  
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NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	09/705,507
Filing Date	November 3, 2000
First Named Inventor	David W. Jacobs
Art Unit	2623
Examiner Name	Ryan J. Hesseltine
Attorney Docket Number	NECI1093

I hereby revoke all previous powers of attorney given in the above-identified application.

**RECEIVED**☐ A Power of Attorney is submitted herewith.

JUL 15 2004

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

20844

Technology Center 2600

☒ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:

20844

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
Telephone			Fax		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

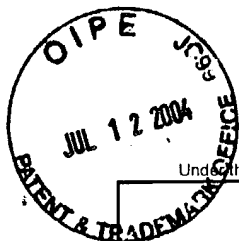
Name	Robert Millstein, President and CEO		
Signature			
Date		Telephone	609-951-2522

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/96 (06-04)

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: NEC Laboratories America, Inc.Application No./Patent No.: 09/705,507 Filed/Issue Date: November 3, 2000Entitled: Lambertian Reflectance and Linear SubspacesNEC Research Institute, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**OR**

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: David W. Jacobs and Ronen Basri To: NEC Research Institute, Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 011702, Frame 0718, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Change of Name from NEC Research Institute, Inc. to NEC Laboratories America, Inc.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

7/6/04

Date

609-951-2522

Telephone number

Robert Millstein

Typed or printed name

Signature

President and CEO

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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State of New York }  
Department of State } ss:

*I hereby certify that the annexed copy has been compared with the original document filed by the Department of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on*

**February 28, 2003**



A handwritten signature in black ink, appearing to read "R. A. S.", is written over the printed title.

*Secretary of State*

1021101000716

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

OF

NEC RESEARCH INSTITUTE, INC.

CSC 45

Under Section 805 of the Business Corporation Law

FIRST: The name of the corporation is NEC Research Institute, Inc. (the "Corporation").

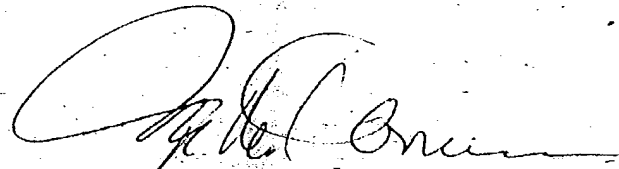
SECOND: The certificate of incorporation of the Corporation was filed with the Secretary of State of the State of New York on June 13, 1988.

THIRD: The amendment effected by this certificate of amendment is as follows: Paragraph 1 of the Certificate of Incorporation, setting forth the name of the corporation, is amended to read in its entirety as follows:

"1. The name of the corporation is NEC Laboratories America, Inc."

FOURTH: This amendment to the certificate of incorporation was authorized by unanimous written consent of the Board of Directors and unanimous written consent of the holder of all outstanding shares.

Dated: November 1, 2002



Timothy M. Donovan  
Corporate Secretary  
8 Corporate Center Drive  
Melville, NY 11747

0211010007/b

CSC 45

CERTIFICATE OF AMENDMENT

OF

NEC RESEARCH INSTITUTE, INC.

Under Section 805 of the Business Corporation Law

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STATE OF NEW YORK  
DEPARTMENT OF STATE

FILED NOV 01 2002

TAXS

BY: LAH  
NY

FILED BY:

NEC USA INC.

8 Corporate Center

Melville, NY 11747-3112

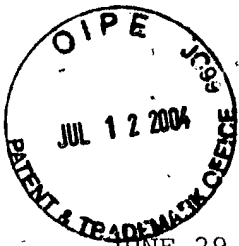
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DRAWDOWN

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JUNE 29, 2001



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Patent and Trademark Office**

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PAUL J. ESATTO  
400 GARDEN CITY PLAZA  
GARDEN CITY, NY 11530



\*101686130A\*

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RECORDATION DATE: 04/16/2001

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
JACOBS, DAVID W.

DOC DATE: 03/08/2001

ASSIGNOR:  
BASRI, RONEN

DOC DATE: 02/27/2001

ASSIGNEE:  
NEC RESEARCH INSTITUTE, INC.  
4 INDEPENDENCE WAY  
PRINCETON, NEW JERSEY 08540

SERIAL NUMBER: 09705507  
PATENT NUMBER:

FILING DATE: 11/03/2000  
ISSUE DATE:

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SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



## ASSIGNMENT

Whereas, we,

- (1) **David W. Jacobs**, of 28 Laurel Road, Princeton, NJ, USA; and  
(2) **Ronen Basri**, of c/o The Weizmann Institute of Science, Rehovot, ISRAEL;

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application Serial No. 09/705,507, filed on November 3, 2000, entitled:

### **Lambertian Reflectance and Linear Subspaces**

Whereas, NEC Research Institute, Inc.  
4 Independence Way  
Princeton, New Jersey 08540

(hereinafter called "Assignee"), desires to acquire the entire right, title, and interest in the application and the invention, and to any applications, patents and/or utility model registrations filed or obtained therefor in every Country except for Japan (hereinafter called the "Designated Countries").

Now therefore, for valuable consideration, receipt of which is hereby acknowledged,

I/we, the above named Assignor(s), hereby sell, assign and transfer to the above named Assignee the entire right, title and interest to file and/or obtain any applications, patents and/or utility model registrations in the Designated Countries as regards the United States application and the invention disclosed therein (including rights of priority based on the United States application), and I/we will execute without further consideration all papers deemed necessary by the Assignee in connection with such applications, patents and/or utility model registrations in the Designated Countries when called upon to do so by the Assignee.

Signed and Sealed:

#### **INVENTOR 1:**

**CITY** (1) at South Brunswick, NJ  
**DATE** on March 8, 2001

David W. Jacobs  
( **David**                      **W.**                      **Jacobs** )  
First Name                      Middle Initial                      Last Name

State of New Jersey)

County of Middlesex) ss.:

Inventor (1) On this 8 day of March, 2001 before me personally came **David W. Jacobs** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Peggy A. Sielski  
PEGGY A. SIELSKI  
Notary Public of New Jersey  
My Commission Expires November 17, 2005



**INVENTOR 2:**

CITY (1) at Rehovot,  
DATE on Feb 27, 2001

( **Ronen**  
First Name

Middle Initial

Basri  
Last Name

State of \_\_\_\_\_)

County of \_\_\_\_\_) ss.:

Inventor (2) On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came **Ronen Basri** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

\_\_\_\_\_  
Notary

170

17  
HELL

\*)



AUTHENTICATION OF SIGNATURE

No. 2001/109

I the undersigned, Advocate  
Haya Heller, Notary in Rehovot,  
Israel, 53 Hanasi Harishon  
Street, P.O.Box 2239, a.c.  
76121, hereby declare that on  
February 27, 2001, appeared  
before me:

PROF. RONEN BASRI

a/k/a as Ronen Ezra Basri  
whom I identified by means  
of Israeli Identity Card  
No. 0 5621585 8

and signed of his own free will  
the enclosed document marked  
"A".

In witness whereof I hereby  
authenticate the signature of  
Prof. Ronen Basri by my own  
signature and seal,

This day, February 27, 2001.

Signature:

NOTARY'S SEAL

אימות חתימה

מס. 109/2001

אני הח"מ, עו"ד חיה הלר, נוטריון  
ברחובות, רח' הנשיא הראשון 53,  
ת.ד. 2239, מ. 76121, מאשרת בזה כי  
ביום 27 לחודש פברואר, 2001,  
הופיע בפני:

פרופ. רונן בצרי

אשר זוהה על ידי על פי  
ת.ז. מס. 0 5621585 8

וחתם מרצונו החופשי על המסמך המצורף  
המסומן "א".

ולראיה הנני מאמתת את חתימתו  
של פרופ. רונן בצרי בחתימת ידי  
ובחותמי,

היום, 27 לחודש פברואר, שנת 2001.



חתימה:

חותם הנוטריון